



Weekly Report on COVID-19 Outbreaks in Nursing Homes and Community Hospitals

Week 1 2022

Health Protection Surveillance Centre, 10th January 2022

Dates to note:

- Week 1 2022 (2nd-8th January 2022)
- Week 10 2020 (1st to 7th March 2020) –The beginning of the pandemic in Ireland
- Wave 4 of the pandemic in Ireland (Week 26 2021 (week commencing 27th June 2021) to Week 50 (week commencing 19th December 2021))
- Wave 5 of the pandemic in Ireland (Week 50 (week commencing 19th December 2021) to date)

Note: The epidemiological weeks in this report, run from Sunday to Saturday, please refer to the surveillance resources on the HPSC website for a complete list of epidemiological weeks with start and end dates.

Note: Data were extracted from the Computerised Infectious Disease Reporting (CIDR) system on 04/01/2022. These data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Notes

The following report provides information on COVID-19 outbreaks/clusters notified on CIDR to midnight January 8th 2022 (week 1) and extracted from CIDR at 10 am on January 10th 2022.

Data are provisional and subject to ongoing review, validation and updating. For this reason, data reported may not match data previously reported or outbreaks data reported in the future for the same time period. Furthermore, the number of linked cases is based on the number of linked cases at the time of extraction from CIDR and an outbreak may increase in size since the time of extraction due to more cases occurring or more information becoming available on CIDR.

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in this report, particularly under the current challenging circumstances. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, Public Health doctors, Nurses, Surveillance Scientists, Microbiologists and Administrative staff.

COVID-19 outbreaks in Nursing Homes and Community Hospitals, waves 1-5



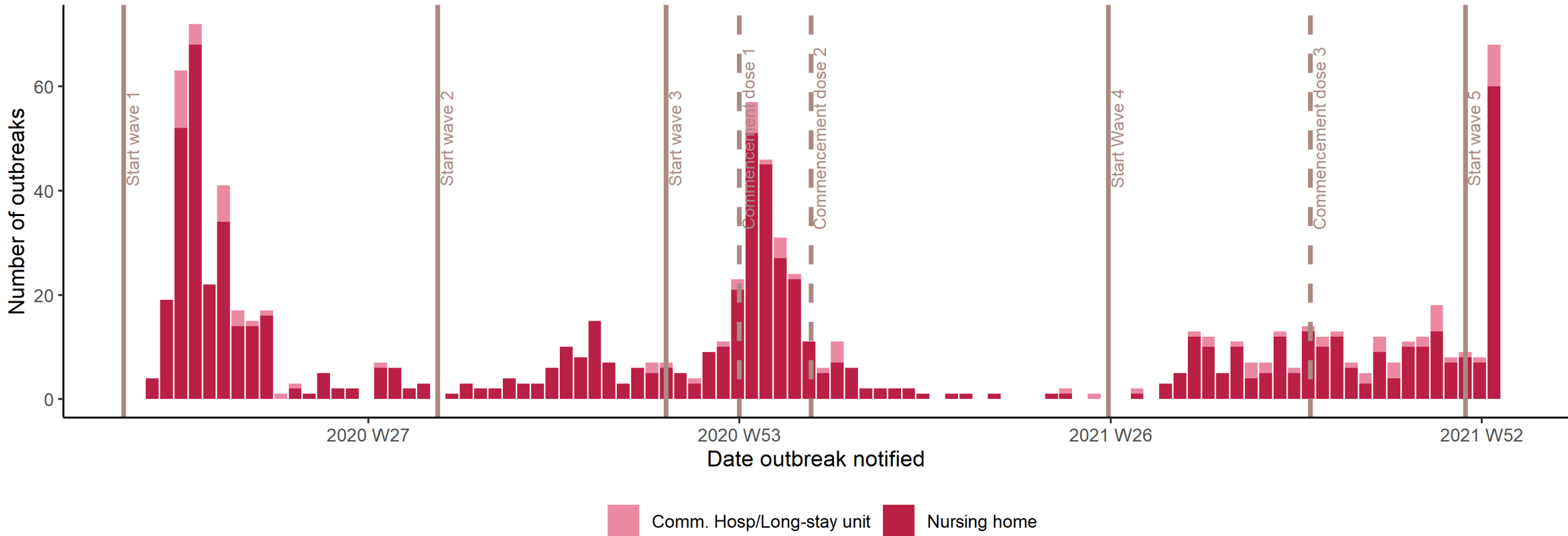
Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	302	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	<5	25	133
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8329	576	12	198	1021
Wave 4 (weeks 26-50 2021)	203	2706	2626	195	<5	46	178
Wave 5 (weeks 51 2021 – week 1 2022)	85	657	NA	NA	NA	NA	NA
Total	937	19967	18761[∞]	1337[∞]	31[∞]	464[∞]	2216[∞]

*the larger between the aggregate number of confirmed cases reported or the number of confirmed linked cases

[∞]includes cases from waves 1-4 only

- Overall, there have been 937 COVID-19 outbreaks in Nursing homes and Community Hospitals
- In waves 1-4, 1,337 of 18,761 laboratory confirmed outbreak cases have been hospitalised (7.1%)
- In waves 1-4, 2,216 deaths have been reported among confirmed outbreak cases in these settings (11.8%)

Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, waves 1-5



Large peaks occurred in the number of outbreaks in wave 1 (72 outbreaks in a single week) and wave 3 (57 outbreaks in a single week). In week 1 2022 (wave 5), 68 outbreaks were reported in these settings

Burden of disease associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, wave 5 (weeks 50 2021 to week 1 2022)



Outbreaks Location	Outbreak	
	Number of outbreaks	Number of cases*
Comm. Hosp/Long-stay unit	10	39
Nursing home	75	618
Total	85	657

*the larger between the aggregate number of confirmed cases reported or the number of confirmed linked cases

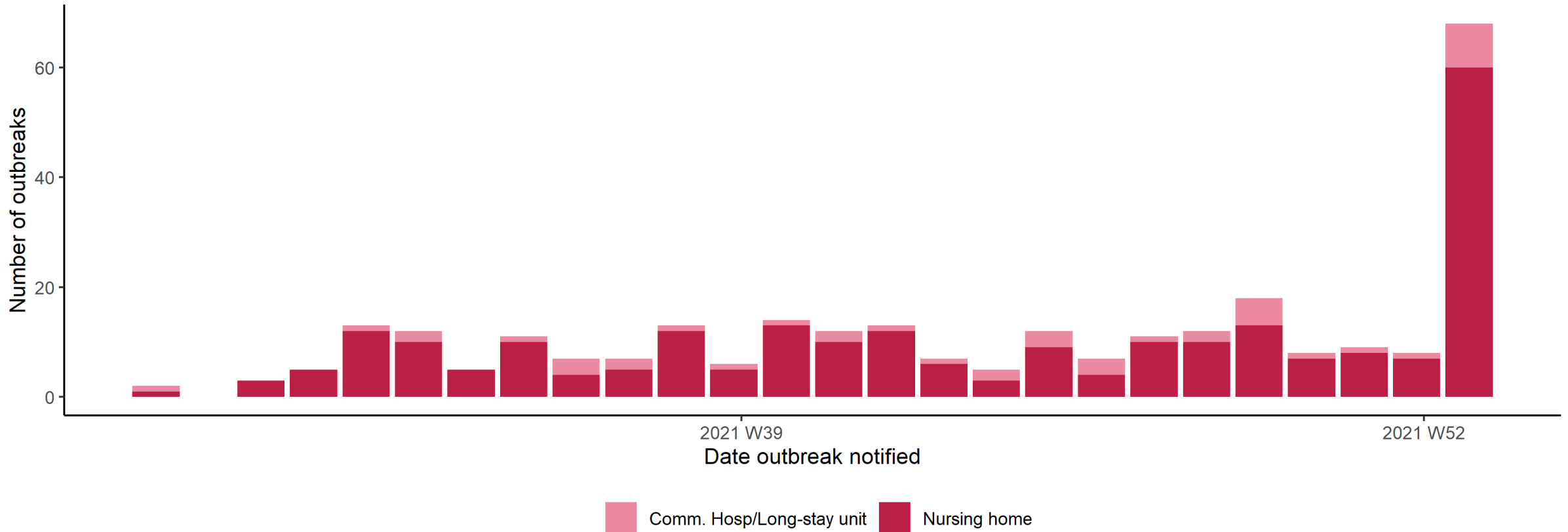
Wave 5:

- 85 outbreaks in wave 5
- 657 cases were reported associated with these outbreaks

Week 1 2022

- Sixty-eight new outbreaks -508 associated cases (range 0-39 cases per outbreak)

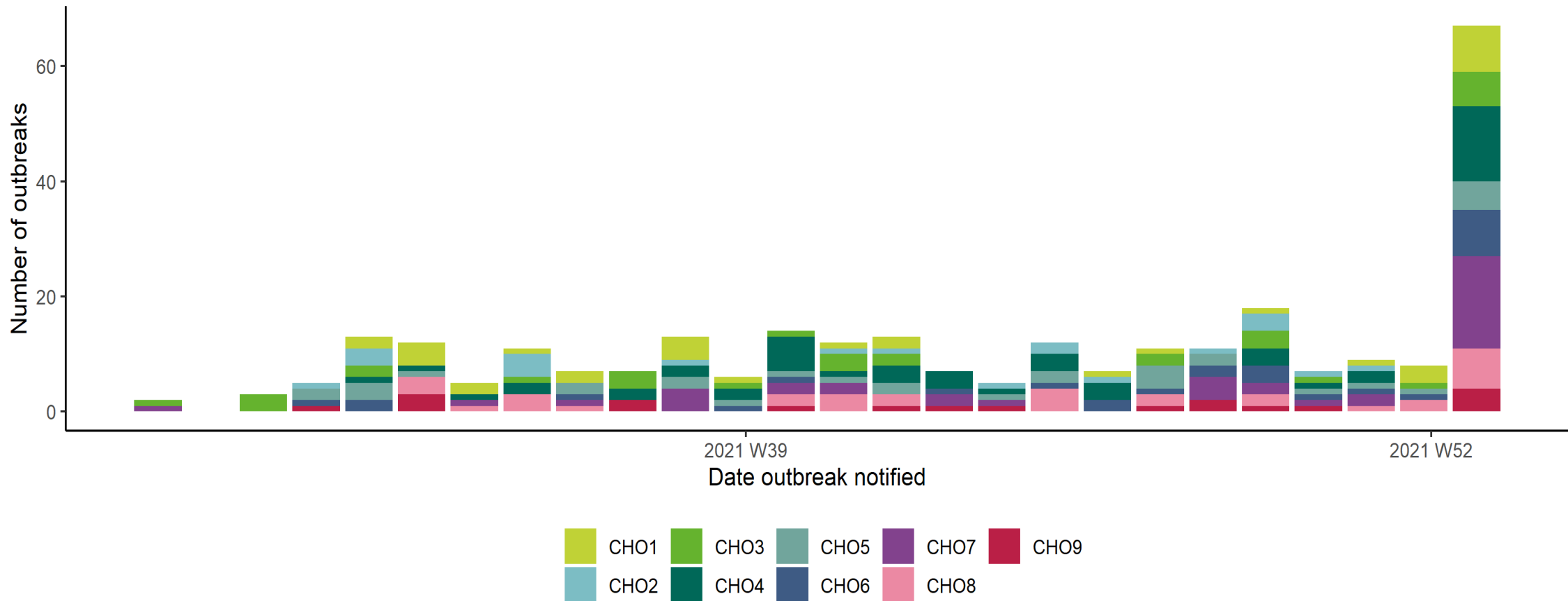
Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, wave 4 & 5 (weeks 26 2021 – week 1 2022)



Waves 4 and 5:

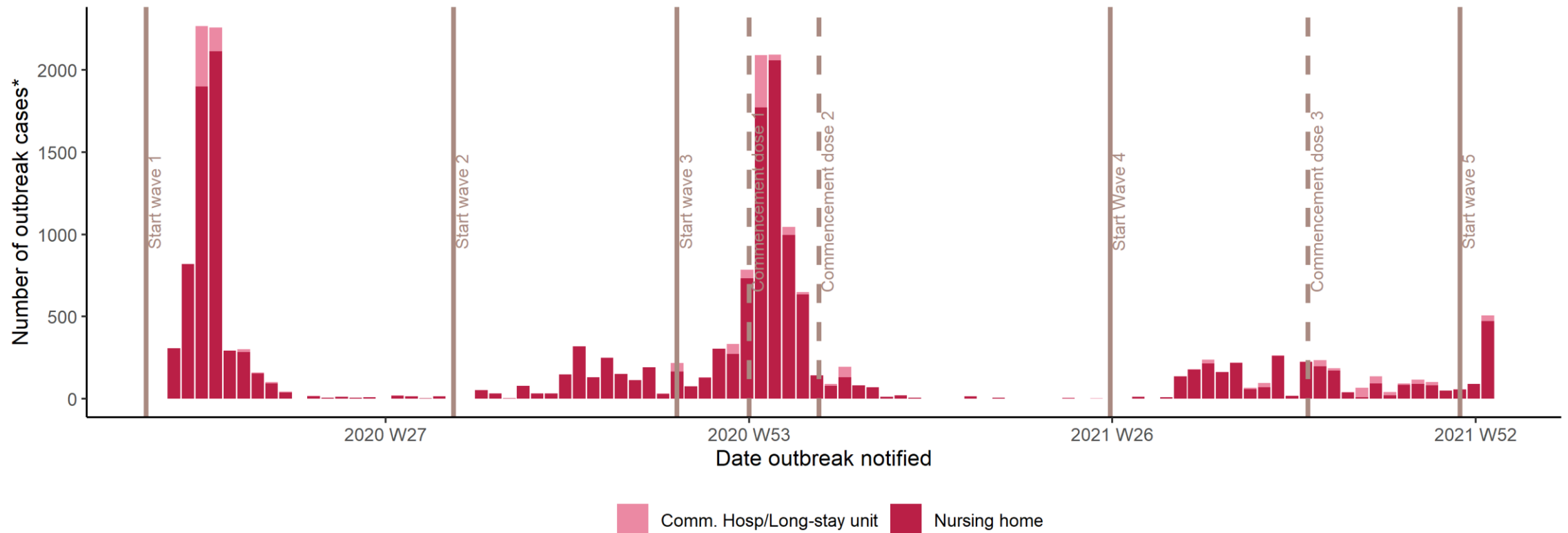
- 288 nursing home and community hospital/long stay unit COVID-19 outbreaks notified
- The number of outbreaks in these settings to week 52 2021 had been relatively stable, but increased to 68 outbreaks in week 1 2022

Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 1 2022)



- The highest number of outbreaks was reported in CHO4 (50 outbreaks) followed by CHO7 (39 outbreaks)
- Eight CHOs were represented in the 68 outbreaks notified in week 1 2022

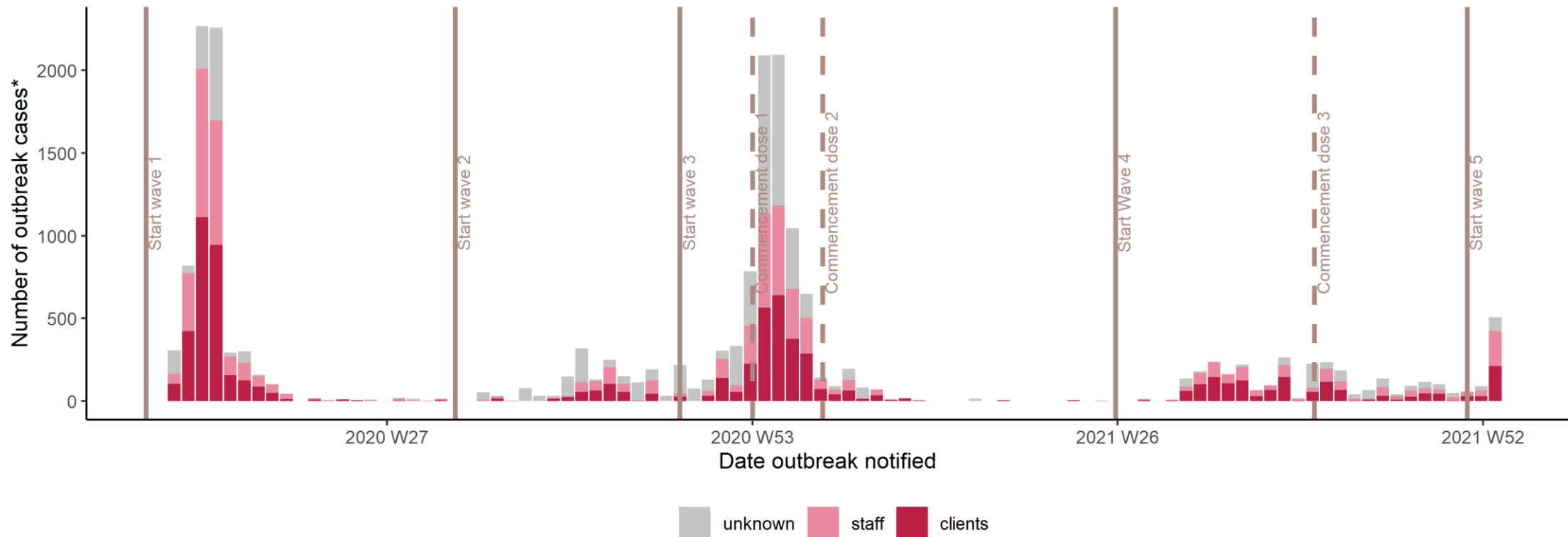
Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, waves 1 to 5



In week 1 2022, the number of outbreak associated cases was 508. This is twice the peak weekly number of cases in wave 4, but circa a quarter of the peak weekly number of cases in waves 1 and 3

Note: Numbers of associated cases are based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases

Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals by healthcare worker status, waves 1 to 5



In week 1, the number of outbreak associated cases among staff and clients was 212 each, with 84 cases of unknown status

Note: Numbers of associated cases are based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases. Staff and clients case numbers were derived from aggregate data provided on the number of staff and clients cases.

Comparison of disease severity among cases linked to outbreaks in Nursing Homes and Community Hospitals by wave and age group

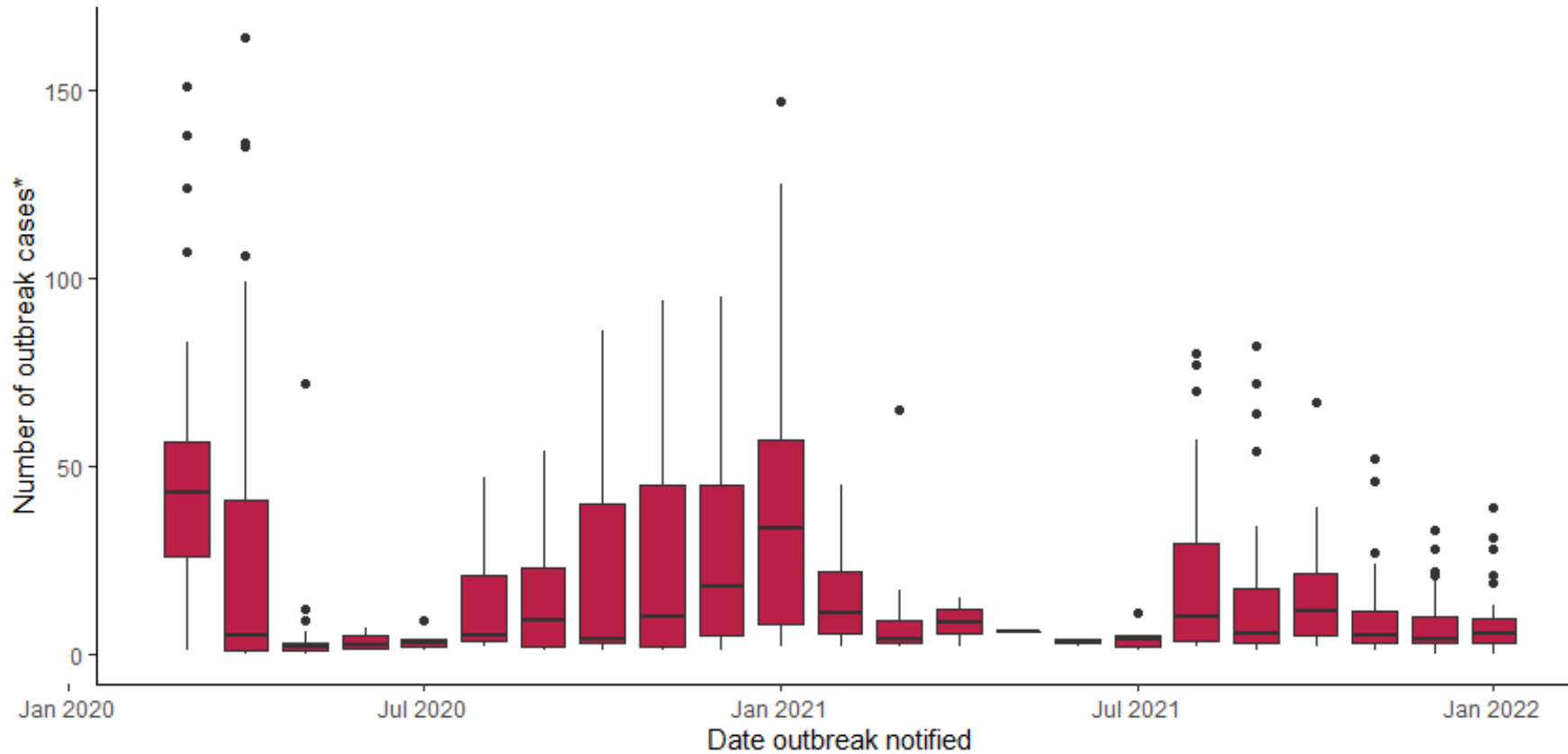


Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<65 yrs	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	<5	0.0%	<5	0.1%
	Wave 3	4033	100	2.5%	8	0.2%	18	0.4%
	Wave 4	1131	17	1.5%	<5	0.1%	6	0.5%
	Wave 5	NA	NA	NA	NA	NA	NA	NA
65+ yrs	Wave 1	3577	388	10.8%	11	0.3%	864	24.2%
	Wave 2	776	75	9.7%	<5	0.1%	132	17.0%
	Wave 3	4296	476	11.1%	<5	0.1%	1003	23.3%
	Wave 4	1495	178	11.9%	<5	0.1%	172	11.5%
	Wave 5	NA	NA	NA	NA	NA	NA	NA
All ages	Wave 1	6251	476	7.6%	16	0.3%	884	14.1%
	Wave 2	1555	90	5.8%	<5	0.1%	133	8.6%
	Wave 3	8329	576	6.9%	12	0.1%	1021	12.3%
	Wave 4	2626	195	7.4%	<5	0.1%	178	6.8%
	Wave 5	NA	NA	NA	NA	NA	NA	NA

The percentage of cases 65 years or older who died among cases linked to outbreaks notified in wave 4 was 11.5%, compared to between 17.0% and 24.2% in waves 1-3

NA =Not available

Distribution of outbreak size* by month of outbreak notification



The median outbreak size has remained relatively low since the vaccination programme commenced in January/February 2021.

The median outbreak size for outbreaks reported in January 2022 has increased slightly to 5.5 compared with 4.0 in December 2021

*Number of associated cases is based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases